



Years of potential life lost in residents affected by floods in Hunan, China

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Abstract:

The potential life loss caused by floods has not been studied before. We carried out a retrospective cohort study in flood areas in Hunan, China in 1999. The standard mortality rate (SMR) and years of potential life lost (YPLL) were used to quantify the burden of flood on health. The SMRs of injury/poisoning and malignant neoplasm were higher in the river flood ($151.36 \times 10(-5)$, $127.30 \times 10(-5)$) and drainage problems ($143.74 \times 10(-5)$, $105.87 \times 10(-5)$) groups than those in the no-flood group ($113.40 \times 10(-5)$, $74.81 \times 10(-5)$). The standard rates of YPLL (SYPLL per thousand) in the river flood (89.56 per thousand) and drainage problems (71.30 per thousand) groups were significantly higher than those in the no-flood group (65.74 per thousand, P

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Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Extreme Weather Event

Extreme Weather Event: Flooding

Geographic Feature:

resource focuses on specific type of geography

Freshwater

Geographic Location:

resource focuses on specific location

Non-United States

Non-United States: Asia

Asian Region/Country: China

Health Impact:

specification of health effect or disease related to climate change exposure

Injury

Medical Community Engagement:

resource focus on how the medical community discusses or acts to address health impacts of climate change

A focus of content

Mitigation/Adaptation:

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern:

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Low Socioeconomic Status

Other Vulnerable Population: Males age 30-45 years

Resource Type:

format or standard characteristic of resource

Research Article

Timescale:

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment:

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content